

REMARKS

Claims 1-7 and 25-31 are pending, with Claims 1 and 25 being independent.

Claims 1 and 25 have been amended.

Applicants respectfully request the Examiner to reconsider and withdraw the outstanding rejection in view of the foregoing amendments and the following remarks.

Claims 1-7 and 25-31 are rejected under 35 U.S.C. § 102, as being anticipated by the patent to Moreton et al.

In response, while not conceding the propriety of the rejection, Claims 1 and 25 have been amended. Applicants submit that as amended, these claims are allowable for the following reasons.

Independent Claim 1 relates to a camera comprising a plurality of image pickup means for picking up a plurality of images of an object, respectively, display means for displaying images picked up by the plurality of image pickup means, recording means for recording the images picked up by the plurality of image pickup means on a recording medium, and memory means arranged both as a buffer of the display means and as a buffer of the recording means.

Claim 1 has been amended to recite that the memory means is arranged both as a buffer of the display means and as a buffer of the recording means so that the display means displays an image previously read out from the memory means in the case that the recording means records the images stored in the memory means on the recording medium.

In contrast, the patent to Moreton et al. is not understood to disclose or suggest memory means arranged both as a buffer of the display means and as a buffer of the recording means so that the display means displays an image previously read out from the

memory means in the case that the recording means records the images *stored in the memory means* on the recording medium, as recited by amended Claim 1.

The Office Action has identified the memory 720 as the memory in the Moreton et al. patent corresponding to the claimed memory means, but does not identify any specific element in the Moreton et al. patent as disclosing the claimed recording medium. Instead, the Office Action refers to column 3, line 14; column 6, lines 59-62; column 11, lines 31-49; and column 12, lines 21-57 as showing the claimed recording medium. But these portions of the Moreton et al. patent are not understood to disclose that a recording medium has recorded thereon the images stored in the memory 720. This can be seen as follows.

Column 3, lines 14-16, states that “A mechanism and method of recording stereo video with standard camera system electronics and a uniquely adapted optical assembly is disclosed.” Thus, this portion of the Moreton et al. patent is not understood to disclose or suggest that display means displays an image previously read out from memory means in the case that the recording means records the images *stored in the memory means* on the recording medium, as recited by amended Claim 1.

Column 6, lines 58-62 states “As will be discussed further, within the first embodiment of the present invention, the stereo output is taken in video frames of recorded data wherein each video frame comprises separate left and right images and is obtained by sampling the full information content of the image sensor.” Thus, this portion of the Moreton et al. patent is not understood to disclose or suggest that display means displays an image previously read out from memory means in the case that the recording means records

the images *stored in the memory means* on the recording medium, as recited by amended Claim 1.

Column 11, lines 31-49 is understood to merely discusses the playing back of previously recorded stereo video from an unidentified recording medium using the circuit shown in Figure 8A:

FIG. 8A illustrates an exemplary stereo video playback system for playing back stereo video recorded with the first embodiment of the present invention. A frame of video information 100 is received at 30 Hz and loaded into a first frame buffer pair 310a and 300a of a double buffer circuit. Buffers 310a and 300a comprise memory n. As information is loaded into buffers 310a and 300a, another pair of memories 310b and 300b is read by well known video generation circuitry to generate output video signals over bus 305b and 305a, respectively. Buffers 310b and 300b comprise memory m. After display of an image stored in memory m, the pointers, known as load and read pointers, to memories m and n are transposed, that is, the load pointer is made to point to the memory location previously pointed to by the read pointer and vice-versa. This technique, known as double buffering, allows the images in memory n to be displayed while new images are stored in memory m, and vice-versa.

Thus, this portion of the Moreton et al. patent is not understood to disclose or suggest that display means displays an image previously read out from memory means in the case that the recording means records the images *stored in the memory means* on the recording medium, as recited by amended Claim 1.

Column 12, lines 21-39 is understood to merely discuss the playing back of previously recorded stereo video from an unidentified recording medium using the circuit shown in Figure 8B:

FIG. 8B illustrates an exemplary stereo video playback system for playing back stereo video recorded with the second embodiment of the present invention. The electronics utilized in the system of FIG. 8B is analogous to the system of FIG. 8A. However, the displayed images are received from video fields, not frames. Fields 200 are presented to the double buffering memories n and m at 60 Hz. These are read by the video generation circuitry and input to multiplexer circuit 320. The select line 342 carries a select signal that alternates at 120 Hz to present the left image from field 200 on display 330 and then to present the right image from field 200 on display 330. The left and right lenses on frame 340 alternate accordingly at 120 Hz to allow visualization of the left and right images in synchronization with the display of the left and right images, respectively, on display 330. The left and right images of field 200 are displayed in their proper aspect ratio for viewing (e.g., as shown in FIG. 9C and FIG. 9D).

Thus, this portion of the Moreton et al. patent is not understood to disclose or suggest that display means displays an image previously read out from memory means in the case that the recording means records the images *stored in the memory means* on the recording medium, as recited by amended Claim 1.

Column 12, lines 40-44 is merely understood to indicate that frames 100 and 200 originate from an unidentified recording medium: "It will be appreciated that the video frames 100 and fields 200 as shown in FIG. 8A and 8B, respectively, can originate from previously recorded video signals or directly from a stereo video camera system implemented in accordance with the present invention". Thus, this portion of the Moreton et al. patent is not understood to disclose or suggest that display means displays an image previously read out from memory means in the case that the recording means records the images *stored in the memory means* on the recording medium, as recited by amended Claim 1.

Column 12, lines 45-57 is understood to merely discuss the playing back of previously recorded stereo video from an unidentified recording medium using the circuits shown in Figures 8A and 8B:

FIG. 8C illustrates an exemplary system that can be used for both embodiments shown in FIG. 8A and FIG. 8B for playback of stereo video signals. Stereo video is supplied over line 75 by supply 705. If in analog form, the video signal is first processed by an analog to digital converter 710 before presentation to an image splitter 715. The image splitter 715 digitally separates the left and right images of the stereo video signal. If video frames are to be displayed, as under the first embodiment of the present invention, frames are split and if video fields are to be displayed, as with the second embodiment, fields are split by the image splitter 715. Any number of well known circuits can be used to implement the image splitter 715.

Thus, this portion of the Moreton et al. patent is not understood to disclose or suggest that display means displays an image previously read out from memory means in the case that the recording means records the images *stored in the memory means* on the recording medium, as recited by amended Claim 1.

In addition, page 3 of the Office Action itself merely states that video information 100 and 200 and stereo video of supply 705 shown in Figures 8A-8C of the Moreton et al. patent “are recorded video from a recording medium”. But the Office Action does not identify this recording medium or provide any evidence that this unidentified recording medium has recorded thereon images stored in the memory 720.

For all of these reasons, the Office Action is not understood to have yet established that the Moreton et al. patent discloses or suggests display means that displays an image previously read out from memory means in the case that recording means records the

images *stored in the memory means* on the recording medium, as recited by amended Claim 1. Since amended Claim 1 recites at least one feature not understood to be disclosed or suggested by the patent to Moreton et al., Applicants submit that the Office has not yet satisfied its burden of proof to establish that Claim 1 is anticipated by this patent. Therefore, Applicants respectfully request that the rejection of Claim 1 be withdrawn.

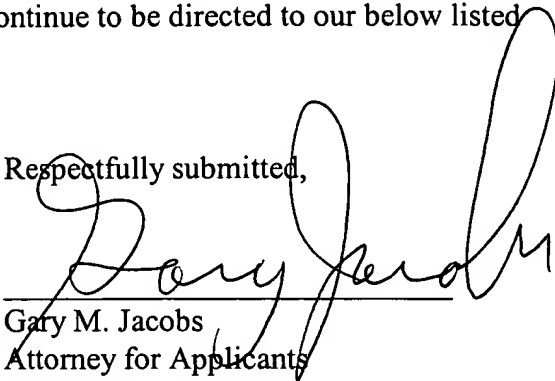
Corresponding method Claim 25 has been amended to recite in part, a storing step using a memory both as a buffer in a display step and as a buffer in a recording step so that the display step displays an image previously read out from the memory in the case that the recording step records the images *stored in the memory* on the recording medium. But, for reasons similar to those noted above, the Office Action has not yet established that the Moreton et al. patent shows or suggests this feature. Therefore, since amended Claim 25 recites at least one feature not understood to be disclosed or suggested by the patent to Moreton et al., Applicants submit that the Office has not yet satisfied its burden of proof to establish that Claim 25 is anticipated by this patent. Accordingly, Applicants respectfully request that the rejection of Claim 1 be withdrawn.

The dependent claims are allowable for the reasons given for the independent claims and because they recite features that are patentable in their own right. Individual consideration of the dependent claims is respectfully solicited.

In view of the above amendments and remarks, the application is in allowable form. Therefore, early passage to issue is respectfully solicited.

Applicants' attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below listed address.

Respectfully submitted,



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